

Application No.: 10/686,108

Amendment Dated: March 21, 2005

Reply to Office Action of: September 20, 2004

In the Claims:

The current claim set of the application is presented below. Indications as to the status of the claims ("original", "currently amended", "cancelled", "new", etc.) appear in parentheses after the claim number. Deletions are identified in bold with double brackets and strikethrough (e.g. ~~[[deletion]]~~) and new text is identified in bold with underlining (e.g. new language).

1-16. Cancelled.

21. Cancelled.

17. (Original) An low impedance conductor for a low impedance extension, comprising:  
an outer surface selected for mechanical properties of flexibility and electrical  
connections having an outer impedance; and,

an inner core selected for conductivity having a core impedance that is substantially  
lower than the outer impedance;

wherein the inner core and outer surface have a composite resistance in the range from  
about 0.05 to about 0.3 ohms per centimeter.

18. (Original) The low impedance conductor as in claim 17, wherein the extension conductor  
is constructed of drawn filled tubing.

19. (Original) The low impedance conductor as in claim 17, wherein the extension conductor  
is constructed of more than one wire strand.

20. (Original) The low impedance conductor as in claim 17, wherein the extension conductor  
has an outer insulator surrounding the outer surface of the extension conductor.